

2172



PATENT APPLICATION
STL000022US1/0920.0042C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the PATENT application of

Baer et al.

Serial No.: 09/489,730

Group Art Unit: 2172

Filed: January 21, 2000

Examiner: Hung Q. Pham.

For: File Structure for Storing Content Objects in a Data Repository

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Respectfully submitted,

A handwritten signature in black ink, appearing to read "J. Warren Lytle, Jr.".

J. Warren Lytle, Jr.

Registration No. 39,283

Hand Delivered: June 28, 2002



#7
PATENT APPLICATION
STL000022US1/0920.0042C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Baer et al.

Serial No.: 09/489,730

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For: File Structure for Storing Content Objects in a Data Repository

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Submitted herewith are thirty-four (34) sheets of formal drawings for the above-identified patent application.

Respectfully submitted,

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Registration No. 39,283

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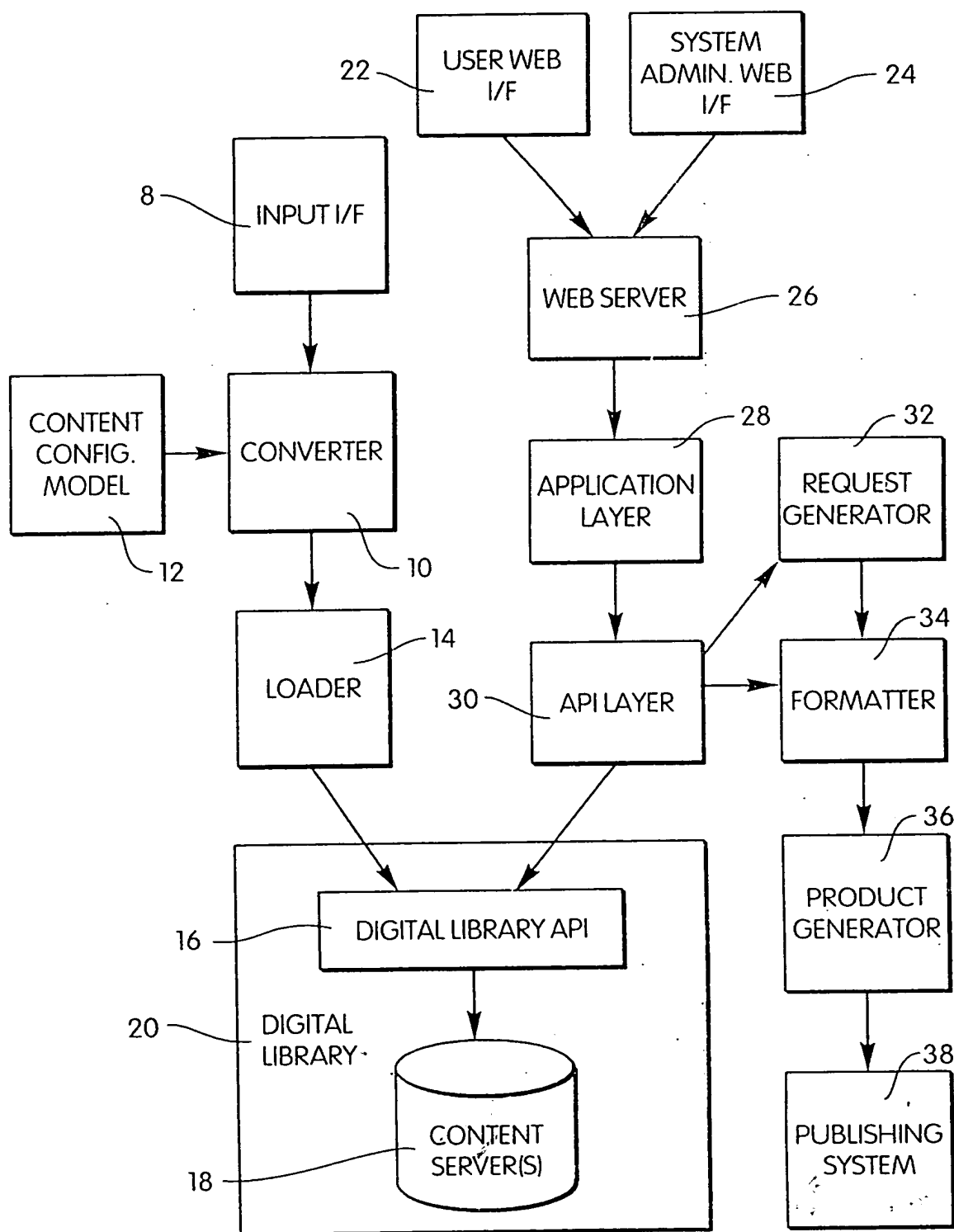


FIG. 1

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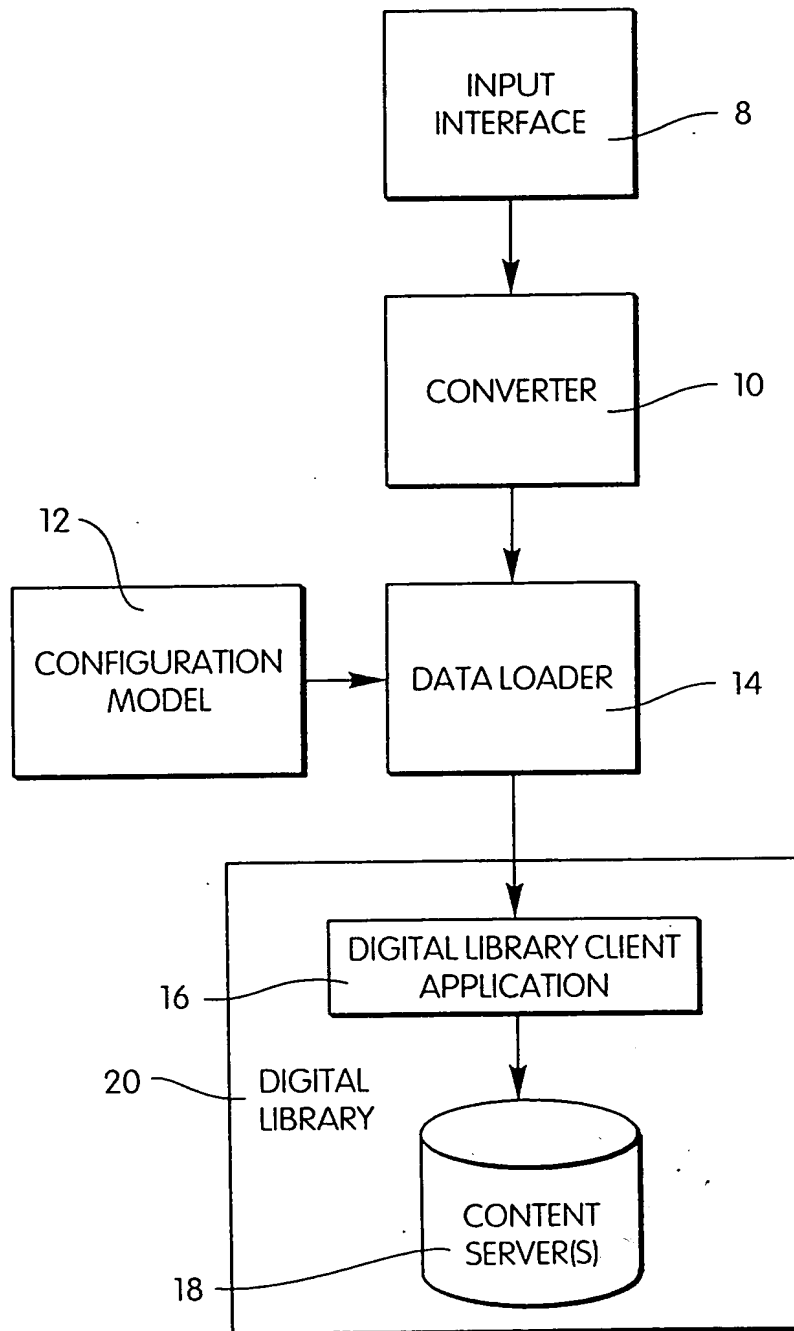


FIG. 2

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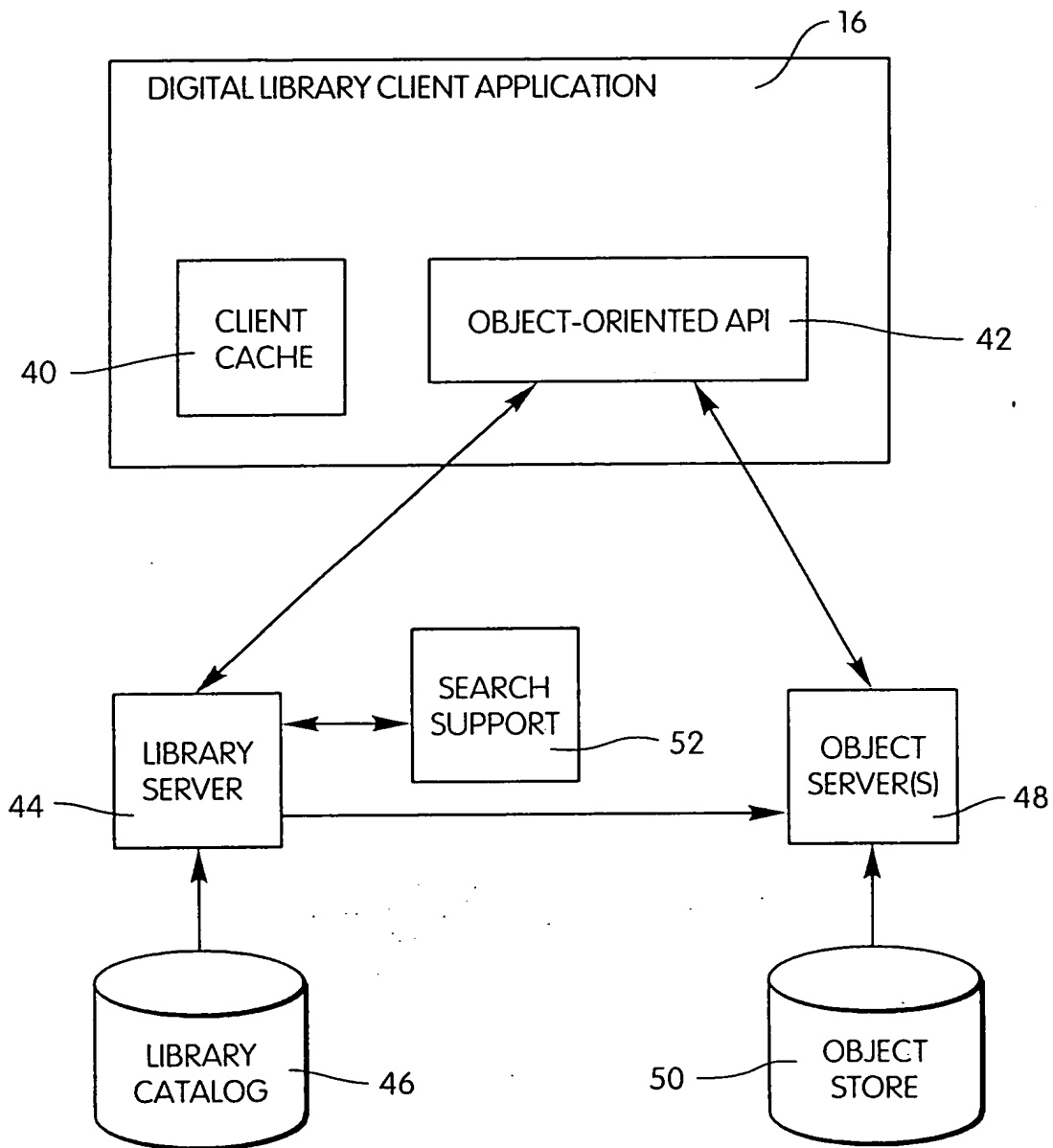


FIG. 3

APPROVED	J.G. FIG.	
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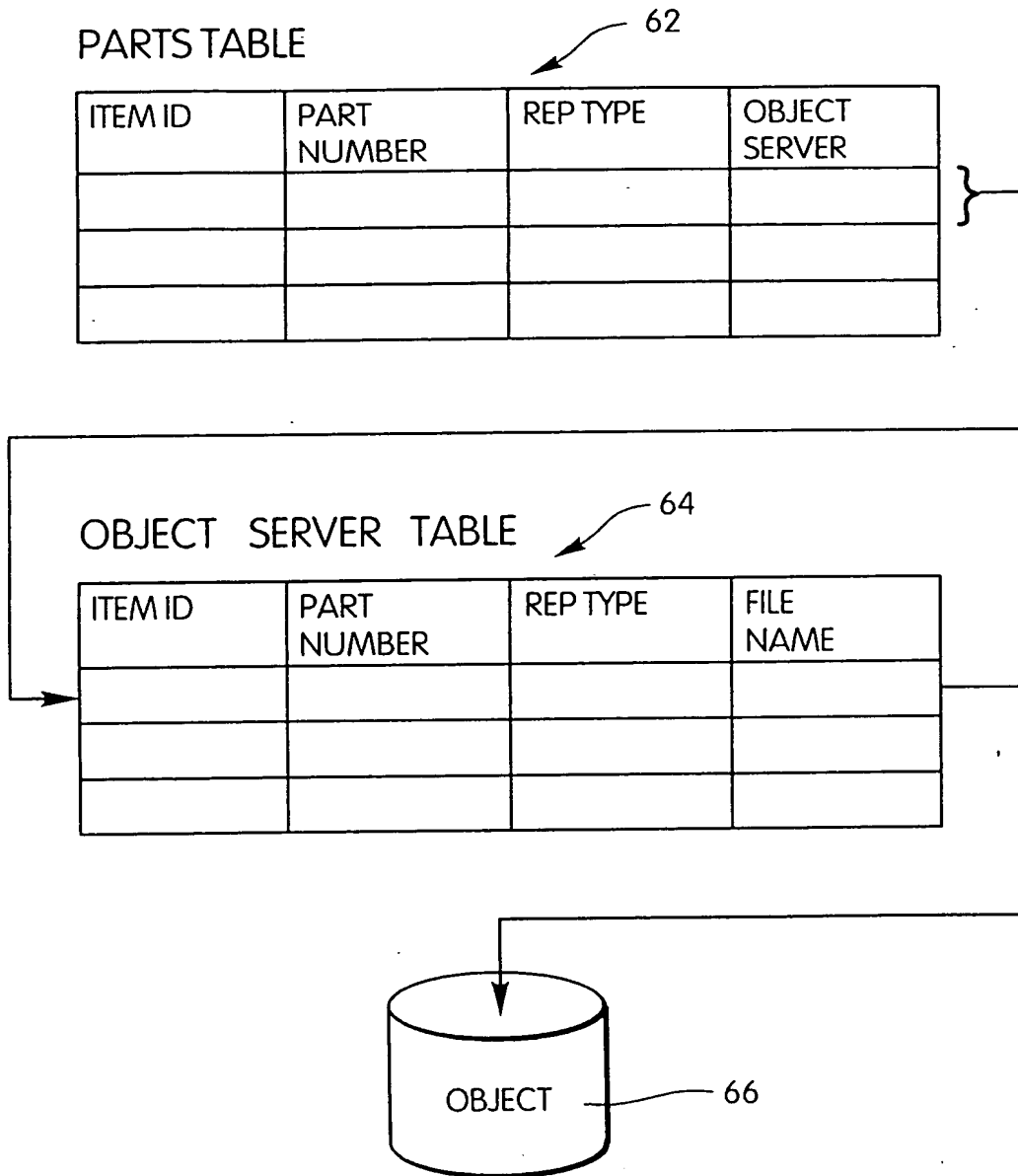


FIG. 4

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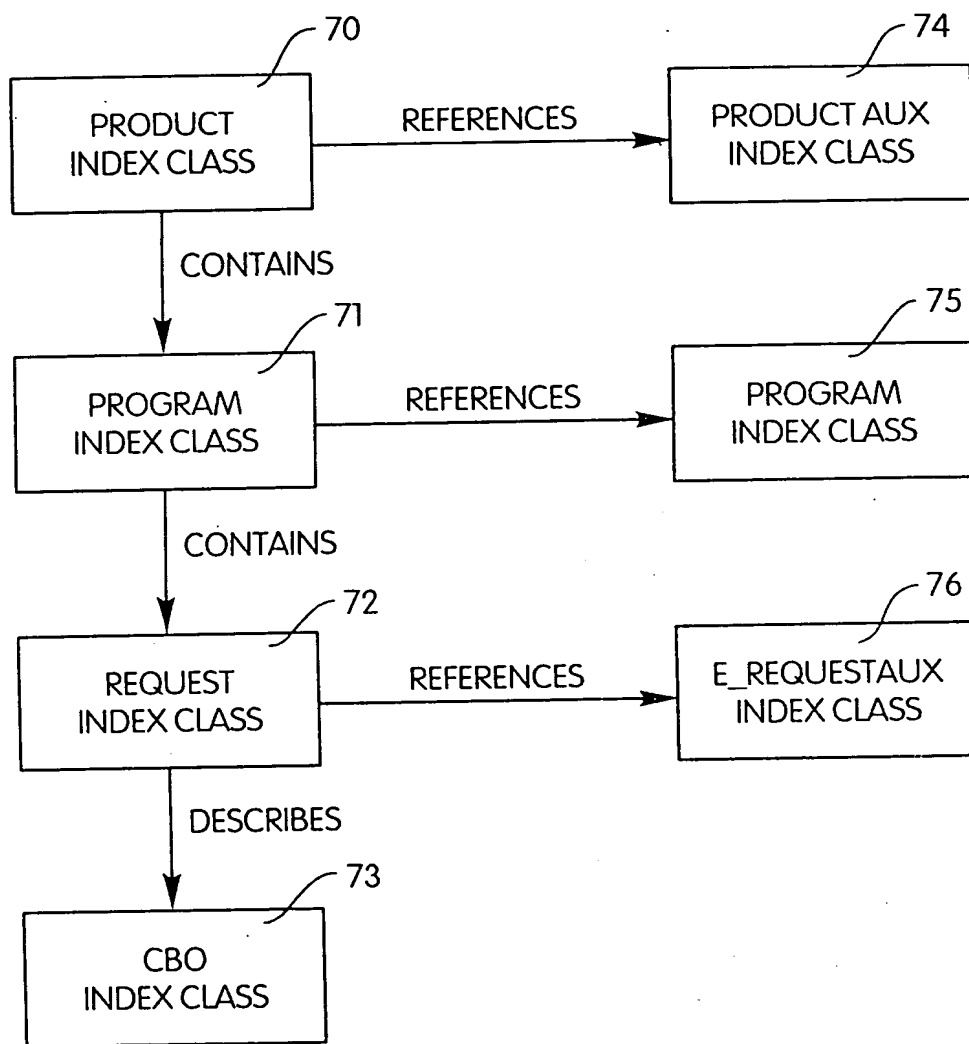


FIG. 5

APPROVED	O.G. FIG.	
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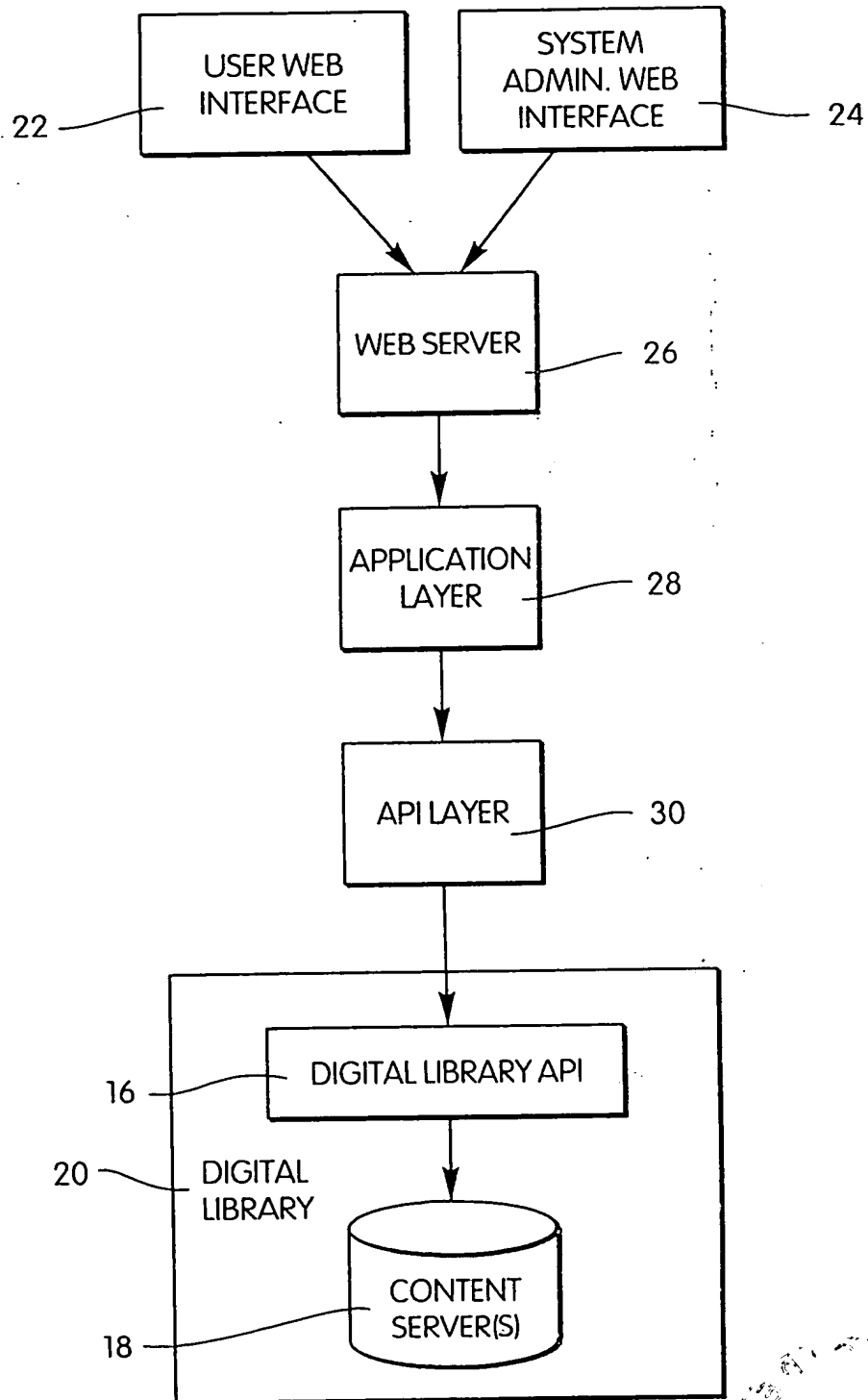
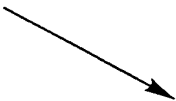


FIG. 6

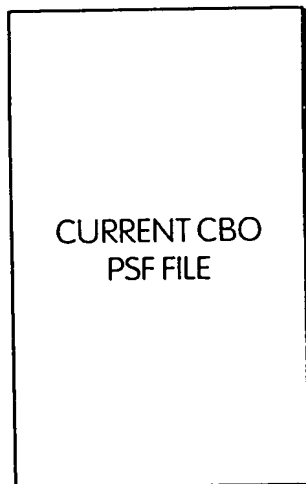
APPROVED	O.G. FIG.	
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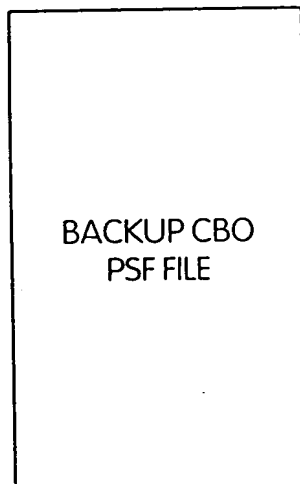


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PART 1



PART 2



PART 5X

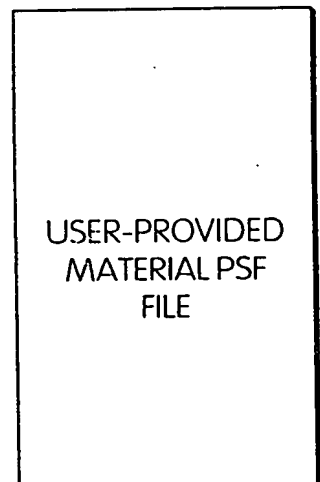


FIG. 7

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FIG. 8A

APPROVED	O.G. FIG.	
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Registration, Page 3 of 3

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FIG. 8B

APPROVED	O.G. FIG.	
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FIG. 8C

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FIG. 9A

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CBO	What do you mean?	09/02/1999	Completed	ESOU002051
CBO	Flash, I love you	09/02/1999	Completed	ESOU001058
CBO	He'd save everyone one of us	08/19/1999	Approved	ESOU002009
CBO	12 hours to save the earth	09/23/1999	Completed	ESOU002373
CBO	<u>Holy Smokes Bateman</u>	07/23/1999	Active	N/A
CBO	A Really Really Really Long Long Long Long Long Long Long Long Long Long Long Long Long Long Long Long Long	07/23/1999	Active	N/A

}

114

}

115

CBO — 118

FIG. 9B

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<input checked="" type="checkbox"/> Index	0.50	5
TOTAL	\$ 2.00	20.0

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129

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FIG. 10A

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<input checked="" type="checkbox"/> Index	0.50	5
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FIG. 10B

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FIG. 11

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Scott D. James

			Price	Pgs.*
146	▼	Contents		
	✓	CHAPTER 1: Introduction to the Internet		
	┐	1.1 History	0.14	1.4
	┐	1.2 Internet Culture	0.06	0.6
	┐	1.3 Internet Netiquette	0.16	1.6
	┐	1.4 Advantages and Disadvantages of the Internet	0.26	2.6
	┐	1.5 Technical Issues	0.25	2.5
	▶	CHAPTER 2: E-Mail and Finding Addresses		
	▶	CHAPTER 3: Mailing Lists and UseNet News		
	▶	CHAPTER 4: Telnet, FTP, and Locating Files		
	▶	CHAPTER 5: Gopher and WAIS		
	▶	CHAPTER 6: The World Wide Web and HTML		
	▶	CHAPTER 7: Live Communications on the Internet		
	┐	7.1 The Talk Program	0.11	1.1
	┐	7.2 IRC: Internet Relay Chat	0.36	3.6
	┐	7.3 The Future of Live Communications	0.54	5.4
	▶	CHAPTER 8: Java		
	▶	CHAPTER 9: Computer Security and the Internet		
	▶	CHAPTER 10: Appendix		

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FIG. 12

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Spotlight: Computer-Integrated Manufacturing }		
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<input type="checkbox"/> 1.2 <u>Internet Culture</u>	0.06	0.6
<input type="checkbox"/> 1.3 <u>General Netiquette</u>	0.16	1.6
<input type="checkbox"/> 1.4 <u>Advantages and Disadvantages of the Internet</u>	0.26	2.6
<input type="checkbox"/> 1.5 <u>Technical Issues</u>	0.25	2.5
<input checked="" type="checkbox"/> Summary/Key Terms — 154	0.02	0.2
CHAPTER 2: Live Communications on the Internet — 148		
<input checked="" type="checkbox"/> Sections/Objectives/Science/Engineering } 154	0.06	0.6
Spotlight: Barcode Technologies }		
<input type="checkbox"/> 2.1 <u>IRC: Internet Relay Chat</u>	0.36	3.6
<input type="checkbox"/> 2.2 <u>The Future of Live Communications</u>	0.54	5.4
<input checked="" type="checkbox"/> Summary/Key Terms/Problems — 154	0.04	0.4
<input checked="" type="checkbox"/> Index	0.50	.5
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FIG. 13

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158

160

162

FIG. 14

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Sections/Objectives/Science/Engineering Spotlight: Computer-Integrated Manufacturing	0.16	1.6
1.1 <u>History</u>	0.14	1.4
1.2 <u>Internet Culture</u>	0.06	0.6
1.3 <u>General Netiquette</u>	0.16	1.6
1.4 <u>Advantages and Disadvantages of the Internet</u>	0.26	2.6
1.5 <u>Technical Issues</u>	0.25	2.5
Summary/Key Terms	0.02	0.2
CHAPTER 2: Live Communications on the Internet		
Sections/Objectives/Science/Engineering Spotlight: Barcode Technologies	0.06	0.6
2.1 <u>IRC: Internet Relay Chat</u>	0.36	3.6
2.2 <u>The Future of Live Communications</u>	0.54	5.4
Summary/Key Terms/Problems	0.04	0.4
CHAPTER 3: New Chapter		
Custom Content: The Internet Wave — 164	n/a	0.0
Index	0.50	.5
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FIG. 15A

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Using Good Manners of 121 123

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168	<input checked="" type="checkbox"/> Sections/Objectives/Science/Engineering Spotlight: Computer-Integrated Manufacturing		0.16	1.6
	<input type="checkbox"/> 1.1 History		0.14	1.4
170	<input type="checkbox"/> 1.2 Internet Culture		0.06	0.6
	<input checked="" type="checkbox"/> 1.3 General Netiquette		0.16	1.6
166	<input type="checkbox"/> 1.4 Advantages and Disadvantages of the Internet		0.26	2.6
	<input type="checkbox"/> 1.5 Technical Issues		0.25	2.5
172	<input checked="" type="checkbox"/> Summary/Key Terms		0.02	0.2
	<input type="checkbox"/> CHAPTER 2: Live Communications on the Internet			
174	<input checked="" type="checkbox"/> Sections/Objectives/Science/Engineering Spotlight: Barcode Technologies		0.06	0.6
	<input type="checkbox"/> 2.1 IRC: Internet Relay Chat		0.36	3.6
178	<input type="checkbox"/> 2.2 The Future of Live Communications		0.54	5.4
	<input checked="" type="checkbox"/> Summary/Key Terms/Problems		0.04	0.4
	<input type="checkbox"/> CHAPTER 3: New Chapter			
180	<input type="checkbox"/> Custom Content: The Internet Wave	n/a		0.0
	<input type="checkbox"/> CHAPTER 4: Using Good Manners on the Internet	165		
	<input checked="" type="checkbox"/> Index		0.50	.5
	TOTAL		\$9.04	40.5

FIG. 16

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CHAPTER 1: Introduction to the Internet		
<input checked="" type="checkbox"/> Sections/Objectives/Science/Engineering Spotlight: Computer-Integrated Manufacturing	0.16	1.6
<input type="checkbox"/> 1.1 History	0.14	1.4
<input type="checkbox"/> 1.2 Internet Culture	0.06	0.6
<input checked="" type="checkbox"/> 1.3 General Netiquette	0.16	1.6
<input type="checkbox"/> 1.4 Advantages and Disadvantages of the Internet	0.26	2.6
<input type="checkbox"/> 1.5 Technical Issues	0.25	2.5
<input checked="" type="checkbox"/> Summary/Key Terms	0.02	0.2
CHAPTER 2: Live Communications on the Internet		
<input checked="" type="checkbox"/> Sections/Objectives/Science/Engineering Spotlight: Barcode Technologies	0.06	0.6
<input type="checkbox"/> 2.1 IRC: Internet Relay Chat	0.36	3.6
<input type="checkbox"/> 2.2 The Future of Live Communications	0.54	5.4
<input checked="" type="checkbox"/> Summary/Key Terms/Problems	0.04	0.4
CHAPTER 3: New Chapter		
<input type="checkbox"/> Custom Content: The Internet Wave	n/a	0.0
CHAPTER 4: Using Good Manners on the Internet		
<input type="checkbox"/> 4.1 General Netiquette — 166	0.16	1.6
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FIG. 17

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CHAPTER 1: Introduction to the Internet	15
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1.2 <u>Internet Culture</u>	18
1.3 <u>Advantages and Disadvantages of the Internet</u>	18
1.4 <u>Technical Issues</u>	21
Summary/Key Terms	23
CHAPTER 2: Live Communications on the Internet	23
Sections/Objectives/Science/Engineering Spotlight: Barcode Technologies	23
2.1 <u>IRC: Internet Relay Chat</u>	24
2.2 <u>The Future of Live Communications</u>	28
Summary/Key Terms/Problems	33
CHAPTER 3: New Chapter	33
Custom Content: <u>The Internet Wave</u>	23
CHAPTER 4: Using Good Manners on the Internet	33
4.1 <u>General Netiquette</u>	33
Index	35

FIG. 18

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<input type="checkbox"/> 1.2 Intro. Study Engineering — 202	206 0.10	205 1.0
<input checked="" type="checkbox"/> Index	206 0.50	207 5
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Preface

0.90

9

CHAPTER 1: Professionalism and Code of Ethics 221

Sections/Objectives 154

0.07

0.7

1.1 Introduction

0.02

0.2

1.2 Intro. Study Engineering

0.50

5.0

1.3 Code of Ethics

0.07

6.7

Key terms/Problems 154

0.20

2.0

Index

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5

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FIG. 20A

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<input checked="" type="checkbox"/> Preface	0.90	9
<input type="checkbox"/> CHAPTER 1: Professionalism and Code of Ethics ~ 221		
<input checked="" type="checkbox"/> Sections/Objectives	0.07	0.7
<input type="checkbox"/> 1.1 Introduction	0.02	0.2
<input type="checkbox"/> 1.2 Intro. Study Engineering	0.50	5.0
<input type="checkbox"/> 1.3 Code of Ethics	0.07	6.7
<input checked="" type="checkbox"/> Key terms/Problems	0.20	2.0
<input checked="" type="checkbox"/> Index	0.50	5
VOLUME 2 ~ 225		
<input checked="" type="checkbox"/> Table of Contents	0.60	6
<input checked="" type="checkbox"/> Preface	0.90	9
<input type="checkbox"/> CHAPTER 1: Understanding Ethical Problems ~ 224		
<input checked="" type="checkbox"/> Sections/Objectives ~ 154	0.05	0.5
<input type="checkbox"/> 1.1 Introduction ~ 227	0.03	0.3
<input type="checkbox"/> 1.2 A Brief History of Ethical Problems	0.07	0.7
<input type="checkbox"/> 1.3 Ethical Theories	0.90	9.0
<input checked="" type="checkbox"/> Key terms/Problems ~ 154	0.14	1.4
<input checked="" type="checkbox"/> Index	0.50	5
TOTAL	\$ 16.05	68.5

226

Internet

FIG. 20B

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	Contents	Price	Pgs.*
VOLUME 1			
<input checked="" type="checkbox"/>	Table of Contents	0.60	6
<input checked="" type="checkbox"/>	Preface	0.90	9
CHAPTER 1: Professionalism and Code of Ethics			
<input checked="" type="checkbox"/>	Sections/Objectives	0.07	0.7
<input type="checkbox"/>	1.1 Introduction	0.02	0.2
<input type="checkbox"/>	1.2 A Engineering Ethics Code	0.50	5.0
<input type="checkbox"/>	1.3 Code of Ethics	0.87	8.7
<input type="checkbox"/>	1.4 Introduction ~227	0.03	0.3
<input checked="" type="checkbox"/>	Key terms/Problems	0.02	2.0
<input checked="" type="checkbox"/>	Index	0.50	5
VOLUME 2			
<input checked="" type="checkbox"/>	Table of Contents	0.60	6
<input checked="" type="checkbox"/>	Preface	0.90	9
CHAPTER 2: Understanding Ethical Problems			
<input checked="" type="checkbox"/>	Sections/Objectives	0.05	0.5
<input type="checkbox"/>	2.1 A Brief History of Ethical Thought	0.07	0.7
<input type="checkbox"/>	2.2 Ethical Theories	0.90	9.0
<input checked="" type="checkbox"/>	Key terms/Problems	0.14	1.4
<input checked="" type="checkbox"/>	Index	0.50	5
TOTAL		\$ 16.05	68.5
* Approximate			

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Internet


FIG. 20C

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AND

Search for Words Found in Section Titles

233

CBO

study OR skills

234

Examples

Index Terms

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Multiple Word Search

Internet Applications

Note: Multiple word searching will return all instances of Internet or Application.

Chapter or Section Titles

Single Word Search

Internet

Phrase Search

Internet Applications

(optionally)

Internet Applications

Multiple Word Search

using AND

Internet AND Application

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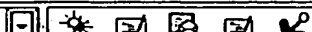



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▶ <input type="checkbox"/> CHAPTER 2: Introduction to Engineering and Engineering Study		
<input type="checkbox"/> 2.1 What Is Engineering?	0.09	0.9
<input type="checkbox"/> 2.3 Why Choose to Study Engineering?	0.12	12
<input type="checkbox"/> 2.4 Equipping Yourself for Engineering Study	0.24	24
▶ <input type="checkbox"/> CHAPTER 5: Key Strategies for Maximizing Performance in Engineering Courses		
<input type="checkbox"/> 5.7 Using Tutors and Studying	0.16	16
▶ <input type="checkbox"/> CHAPTER 9: Developing Engineering Skills		
<input type="checkbox"/> 9.1 Communication Skills	0.52	52

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FIG. 22A

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<input type="checkbox"/>	Streisand, Barb	Harvard	Applied Physics	11/05/99
<input type="checkbox"/>	Clinton, Bill	Oxford	Physical Sciences	09/10/99
<input type="checkbox"/>	Reno, Janet	MIT	Electrical Engineering	01/06/00
<input type="checkbox"/>	Taylor, Tim	Stanford	Metalurgy	08/21/99

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FIG. 22B

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- ☐ Introduction to Digital Design
- ☐ Design Theory
- ☐ Statistical Analysis

261

COMMIT

262

FIG. 22C

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271

272

CBO Title	Owner
<u>Fundamental Engineering Concepts</u>	<u>Taylor, James</u>
<u>Technical Internships: Gaining Hands-On Experience</u>	<u>Bill Clinton</u>
<u>Ethical Dilemmas in the Engineering Field</u>	<u>Al Gore</u>
<u>Basic Study Skills</u>	<u>Al Bundy</u>
<u>Approach to Statistical Methods</u>	<u>Janet Reno</u>

FIG. 22D

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VOLUME 1: New Custom Book Volume Number 1	
<input checked="" type="checkbox"/>	Table of Contents
<input checked="" type="checkbox"/>	Preface
CHAPTER 1: New Chapter	
Custom Content: <u>New IPM Section</u> 284	
<div> <div>IPM Element 1:</div> <div> <div>285</div> <div> <div>New IPM Section</div> <div>New IPM Section</div> </div> <div> <div><input checked="" type="radio"/> Text</div> <div><input type="radio"/> Code</div> </div> </div> <div> <div>286</div> <div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> </div> </div> <div> <div>Editor's Comments:</div> <div>(none)</div> </div> <div> <div>287</div> <div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> </div> </div> </div>	
<div> <div><input type="checkbox"/></div> <div><input type="checkbox"/></div> </div> <div>288</div>	
CHAPTER 2: Professionalism and Code of Ethics	
<input checked="" type="checkbox"/>	Professionalism and Code of Ethics/Sections/Objectives
2.1 <u>Introduction</u>	
2.2 <u>Is Engineering a Profession?</u>	
2.3 <u>Code of Ethics</u>	
CHAPTER 3: Introduction	
<input checked="" type="checkbox"/>	Introduction/Sections/Objectives
3.1 <u>Background Ideas</u>	
3.2 <u>Why Study Engineering Ethics?</u>	
3.3 <u>Personal vs. Business Ethics</u>	
3.4 <u>The Orgins of Ethical Thoughts</u>	

FIG. 22E

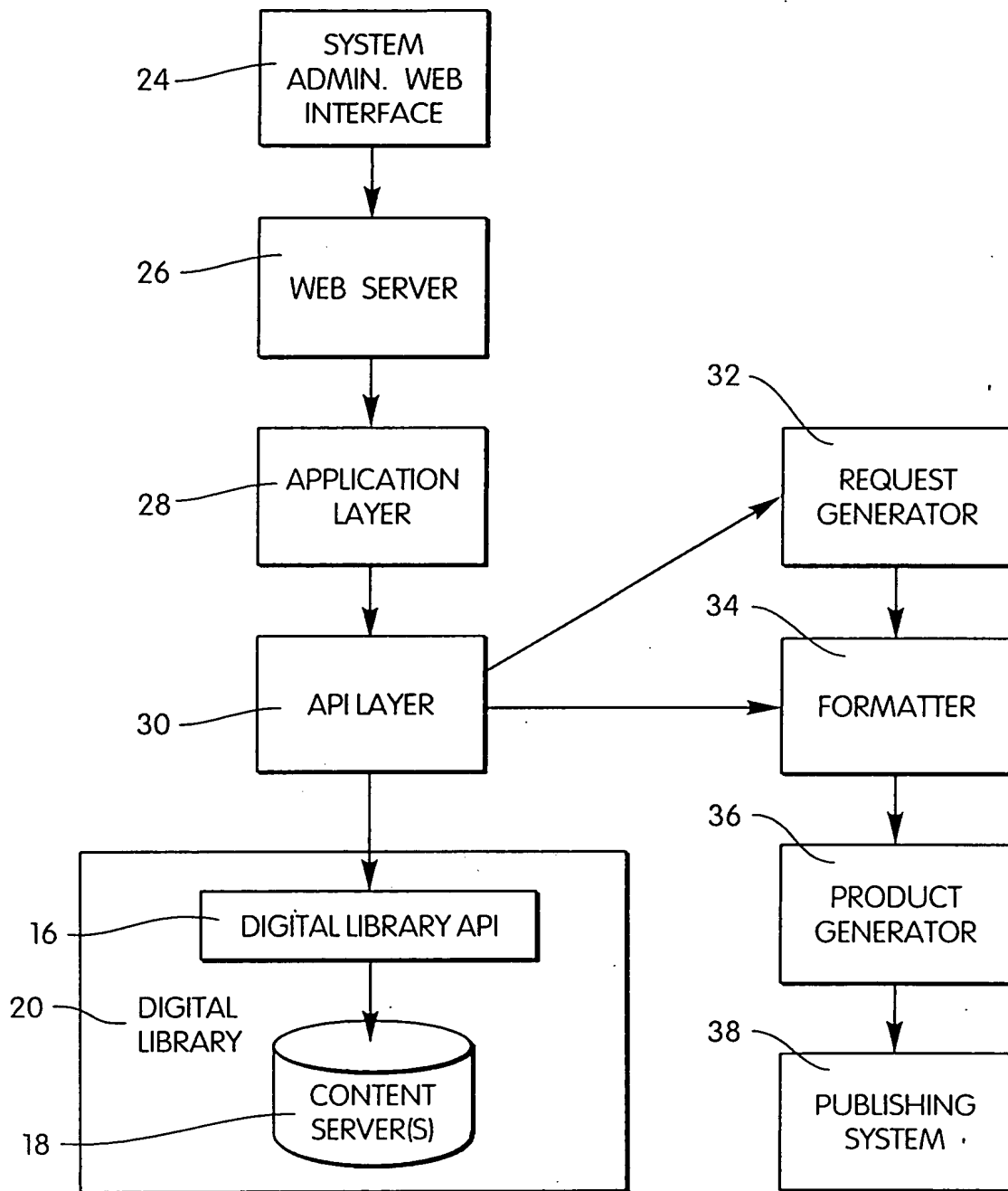


FIG. 23

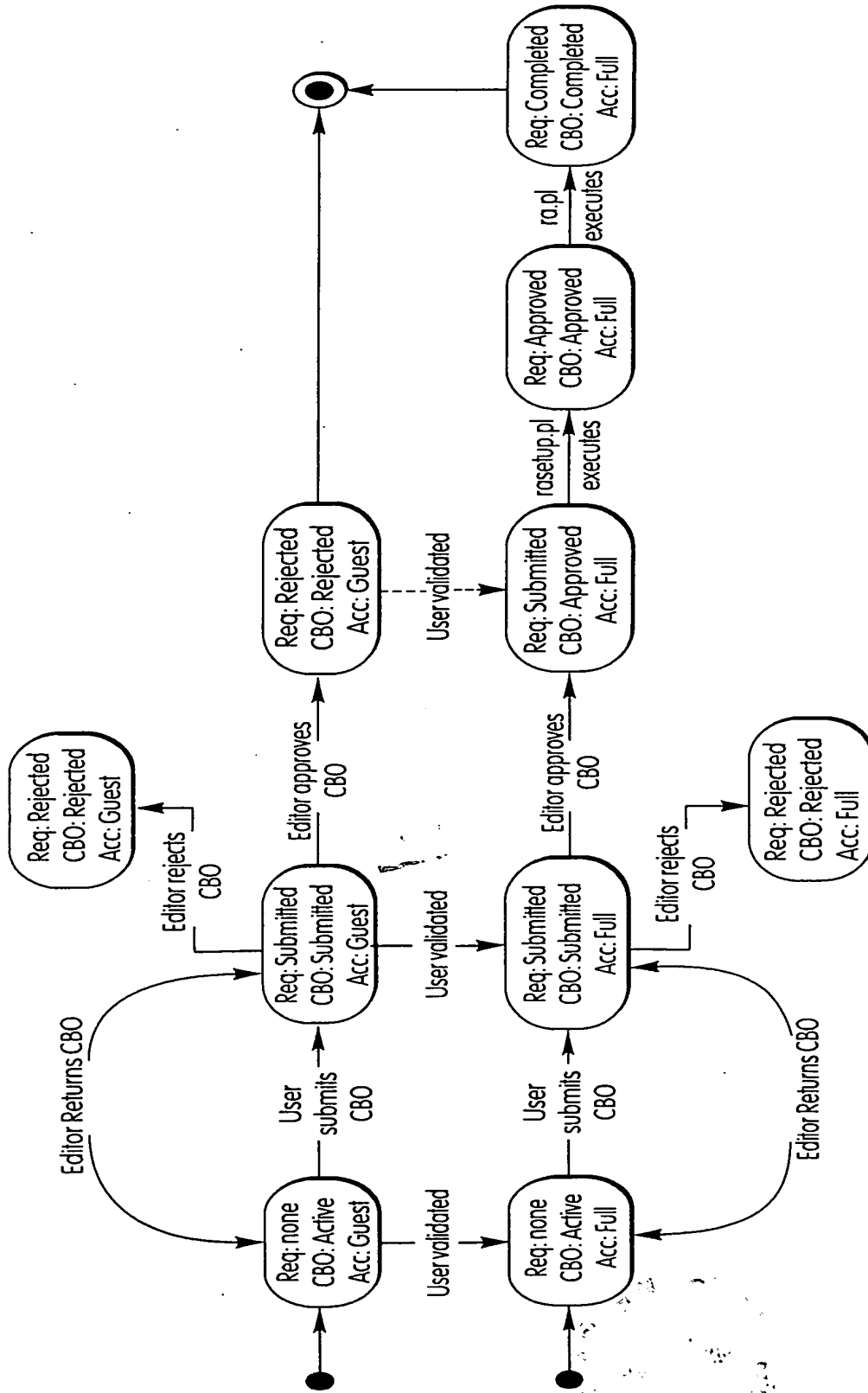


FIG. 24